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SUPERNOVA 2005br IN IC 5084

Further to *IAUC* 8515, L. A. G. Monard reports his discovery of an apparent supernova (mag $\sim$ 16.5 $\pm$ 0.3) on unfiltered CCD images taken on Mar. 28.113 UT and confirmed on Apr. 19.114 (at mag $\sim$ 16.4 $\pm$ 0.2). The new object is located at $\alpha = 21^h09^m13^s.09$, $\delta = -63^o17'05''.6$ (equinox 2000.0), which is 14'' west and 15'' north of the nucleus of IC 5084. SN 2005br is not visible on an image from the Digitized Sky Survey (limiting red mag 20.5) or on an image taken by Monard on Mar. 5.132 (limiting red mag 18.0).

COMETS C/2005 D2–D5, E5–E9, F1, F2 (SOHO)

Following are the initial positions for additional Kreutz sungrazing comets found on SOHO website images (cf. *IAUC* 8515). K. Battams reports that C/2005 D5 reached peak brightness near mag 5–6; the other Feb. objects were only a little above background (peak mag 7–8). C/2005 D2 was stellar and faded out rapidly at 8–9$R_\odot$; C/2005 D3 was brighter and also stellar, fading rapidly at $\sim 9R_\odot$; C/2005 D4 was small and faded at 9–10$R_\odot$. No tail was visible for C/2005 D2, D3, D4, E7, and F2. Tail lengths (uncertainties $\pm$ 1') for C/2005 D5: tail developed at $\sim 12R_\odot$; at 6.3$R_\odot$, > 10' (head very much smaller); at 5.9$R_\odot$, 16'.8 (head effectively gone); at 5.7$R_\odot$, 16' (no head). Physical information for other comets: C/2005 E6, diffuse, possible tail; C/2005 E7, very faint, diffuse; C/2005 E8, diffuse with a faint tail 262'' long at $\sim 7.3R_\odot$; C/2005 E9, very small and faint; C/2005 F1, faint and diffuse, with hint of a tail; C/2005 F2, stellar.

Comet	2005	UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2005 D2	Feb.	22.087	$22^h37^m.6$	$-11^\circ01'$	C3	TH	2005-G40
C/2005 D3		22.279	22 44.9	−11 31	C3	KC	2005-G40
C/2005 D4		26.346	22 55.1	− 9 34	C3	BZ	2005-G40
C/2005 D5		26.571	23 07.9	−10 18	C3/2	BZ	2005-G40
C/2005 E5	Mar.	11.966	23 45.9	− 4 14	C3	HS	2005-G93
C/2005 E6		13.929	0 03.1	− 4 03	C3/2	BZ	2005-G93
C/2005 E7		14.404	23 50.4	− 3 41	C3/2	XL	2005-G93
C/2005 E8		14.863	0 01.4	− 3 21	C3/2	TH	2005-G93
C/2005 E9		14.992	23 47.4	− 2 36	C2	BZ	2005-G93
C/2005 F1		17.029	0 12.3	− 2 43	C3/2	HS	2005-G94
C/2005 F2		18.571	0 10.8	− 1 44	C3/2	HS	2005-G94

2005 April 19 *Daniel W. E. Green*